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**FAXED****National Renewable Energy Laboratory****CONFIDENTIALITY NOTICE****Fax**

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Date: May 22, 2002

To: John Anderson

Organization: USPTO

Fax: 703/305-3230

From: Paul White, Esq. (303/384-7575)

Organization: NREL Legal Office

Fax: 303-384-7499

Total Pages: 3 (includes cover page)

Remarks: Attached is the corrected Transmittal Letter for NREL 98-34 CIP, 10/088760 as you requested. The deposit account was initially incorrectly listed as 14-1460, the correct deposit account number is 14-0460. Please notify Janice Brown of your receipt of this fax at either [janice\\_brown@nrel.gov](mailto:janice_brown@nrel.gov) or 303/384-7576.

Cc:



Rec'd PTO 22 MAY 2002

FORM PTO-1390  
(REV. 11-2000)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY'S DOCKET NUMBER

NREL 98-34CIP

U.S. APPLICATION NO. (if known, see 37 CFR 1.5)

**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371**

INTERNATIONAL APPLICATION NO.  
PCT/US01/00430INTERNATIONAL FILING DATE  
21 JANUARY 2000PRIORITY DATE CLAIMED  
21 JANUARY 2000**TITLE OF INVENTION****DIRECT PRINTING OF THIN-FILM CONDUCTORS USING METAL-CHELATE INK.****APPLICANT(S) FOR DO/EO/US**  
Douglas L. Schulz et al.

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1.  This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2.  This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3.  This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission contains items (5), (6), (9) and (21) indicated below.
4.  The US has been elected by the expiration of 19 months from the priority date (Article 31).
5.  A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a.  is attached hereto (required only if not communicated by the International Bureau).
  - b.  has been communicated by the International Bureau.
  - c.  is not required, as the application was filed in the United States Receiving Office (RL).
6.  An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))
  - a.  is attached hereto.
  - b.  has been previously submitted under 35 U.S.C. 154(d)(4).
7.  Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a.  are attached hereto (required only if not communicated by the International Bureau).
  - b.  have been communicated by the International Bureau.
  - c.  have not been made; however, the time limit for making such amendments has NOT expired.
  - d.  have not been made and will not be made.
8.  An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9.  An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10.  An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

**Items 11 to 20 below concern document(s) or information included:**

11.  An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12.  An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13.  A **FIRST** preliminary amendment.
14.  A **SECOND** or **SUBSEQUENT** preliminary amendment.
15.  A substitute specification.
16.  A change of power of attorney and/or address letter.
17.  A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.
18.  A second copy of the published international application under 35 U.S.C. 154(d)(4).
19.  A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20.  Other items or information:

Post Card Receipt

U.S. APPLICATION NO. (if known) 660 37 CFR 1.2)

INTERNATIONAL APPLICATION NO.  
PCT/US01/00430ATTORNEY'S DOCKET NUMBER  
NREL 98-34 CIP

21.  The following fees are submitted:

**BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):**

Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2) paid to USPTO and International Search Report not prepared by the EPO or JPO ----- \$1000.00

International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO ----- \$860.00

International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO ----- \$710.00

International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) ----- \$690.00

International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) ----- \$100.00

**ENTER APPROPRIATE BASIC FEE AMOUNT****CALCULATIONS PTO USE ONLY**

Surcharge of \$130.00 for furnishing the oath or declaration later than  20  30 months from the earliest claimed priority date (37 CFR 1.492(e)).

\$ 100.00

CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$
Total claims	25 -20 =	5	x \$18.00 9	\$ 45.00
Independent claims	1 -3 =	0	x \$80.00 42	\$
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$270.00	\$ 0

**TOTAL OF ABOVE CALCULATIONS = \$ 145.00**

Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.

**SUBTOTAL = \$ 72.50**

Processing fee of \$130.00 for furnishing the English translation later than  20  30 months from the earliest claimed priority date (37 CFR 1.492(f)).

**TOTAL NATIONAL FEE = \$**

Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +

**TOTAL FEES ENCLOSED = \$ 72.50**

Amount to be refunded:	\$
charged:	\$ 72.50

- a.  A check in the amount of \$ \_\_\_\_\_ to cover the above fees is enclosed.
- b.  Please charge my Deposit Account No. 14-0460 in the amount of \$ 72.50 to cover the above fees. A duplicate copy of this sheet is enclosed.
- c.  The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-0460. A duplicate copy of this sheet is enclosed
- d.  Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

Paul J. White  
National Renewable Energy Laboratory  
1617 Cole Blvd.  
Golden, CO 80401

SIGNATURE

Paul J. White  
NAME

30-436  
REGISTRATION NUMBER